

PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A.

4800 IDS Center, 80 South Eighth Street
Minneapolis, Minnesota 55402-2100 USA

RECEIVED
CENTRAL FAX CENTER

JAN 08 2004

FACSIMILE COVER SHEET

TELEPHONE: (612) 349-5740

TOLL FREE: 1-800 331-4537

FACSIMILE: (612) 349-9266

TOTAL NUMBER OF PAGES BEING SENT (INCLUDING COVER SHEET): 5

☐ Original documents to follow by mail

☒ No originals will be sent

DATE: January 8, 2004

TO: Office of Petitions

FAX #: 1-703-872-9306

PHONE #:

YOUR REF.: 10/672,313

OUR REF.: 3271.01US02

FROM: Scott G. Ulbrich, Esq.

PHONE #: (612) 349-5776

Attached for filing please find the following documents for filing:

- 1) DECLARATION OF APPLICANT IN SUPPORT OF PETITION TO MAKE SPECIAL UNDER 37 C.F.R. §1.102(C).

Sincerely,



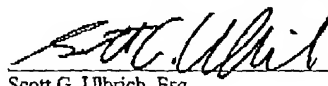
Scott G. Ulbrich, Esq.
Registration No. 48,005

Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office, Fax No. 1-703-872-9306 on the date shown below.

January 8, 2004
Date


Scott G. Ulbrich, Esq.

THIS FACSIMILE TRANSMISSION CONTAINS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED FOR THE PARTY IDENTIFIED ABOVE. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE CALL PATTERSON, THUENTE, SKAAR & CHRISTENSEN COLLECT AT (612) 349-5740. DISTRIBUTION, REPRODUCTION OR ANY OTHER USE OF THIS TRANSMISSION BY ANY PARTY OTHER THAN THE INTENDED RECIPIENT IS STRICTLY PROHIBITED.

JAN 08 2004

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3271.01US02

Eric J. Erfourth

Confirmation No.: 8398

Application No.: 10/672,313

Filed: September 26, 2003

Group Art Unit: 2834

For: GENERATOR

**DECLARATION OF APPLICANT IN SUPPORT OF
PETITION TO MAKE SPECIAL UNDER 37 C.F.R. §1.102(c)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

1. I, Eric J. Erfourth, am the sole inventor of the invention disclosed in the above-captioned patent application. I have a Bachelor of Science degree in electrical engineering from Michigan State University. As the inventor, I believe that preferred embodiments of the invention claimed in the above-captioned patent application will (a) materially enhance the quality of the environment of mankind by contributing to the restoration or maintenance of the basic life-sustaining natural elements, namely air, water and soil, and (b) materially contribute to more efficient utilization and conservation of energy resources. Further, preferred embodiments of the invention claimed in the above-captioned patent application involve superconductive materials. The basis for my belief is as follows:

Attorney Docket No.: 3271.01US02

2. The invention relates to a permanent magnet alternating current and direct current electric power generator, which may operate with increased efficiency through the application of superconductive materials in preferred embodiments. Generators are typically inefficient due to friction, heat, and other losses during the generation of electric power. Increased efficiency is desired, particularly by large-scale generation facilities and public utilities, where a small increase in efficiency can lead to a significant cost savings over time. This cost-savings may be realized through a lower consumption of fossil fuels to power the generators. The burning of fossil fuels releases a substantial amount of pollutants into the air. By replacing traditional and less efficient electric generators, preferred embodiments of the generator of the present invention are expected to materially enhance the quality of the environment by contributing to the restoration and maintenance of the air.

3. The burning of fossil fuels that power traditional generators releases pollutants into the air, which in turn fall to the surface of the earth in rain. This pollutant-carrying rain is harmful to aquatic life in rivers, lakes, and oceans, and contributes to general water pollution. The rain also penetrates and is thus harmful to the ground and soil that it falls upon and leaches into. By replacing traditional generators, preferred embodiments of the generator of the present invention are also expected to materially enhance the quality of the environment by contributing to the restoration and maintenance of water and soil.

4. The generator of the present invention preferably includes a plurality of exciters that preferably comprise alternating layers of a superconductive material in the exciters, for example yttrium barium copper oxide, or $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$, and a non-superconductive material. The efficiency of preferred embodiments of the generator of the present invention may be improved by the use of superconductive material in the exciters. Thus, preferred embodiments of the generator of the present invention involve superconductive materials, are expected to

Attorney Docket No.: 3271.01US02

operate more efficiently than conventional designs and therefore materially contribute to more efficient utilization and conservation of energy resources.

5. Particular embodiments of the generator may operate with increased efficiency. As RMS power approaches peak power, efficiency levels approaching 99% may be realized in multi-phasic applications of the generator of the present invention, thereby materially contributing to more efficient utilization and conservation of energy resources.

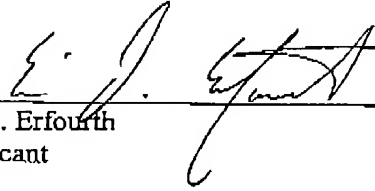
6. Particular embodiments of the generator may be used with wind power to comprise the primary energy source for homes, farms, and businesses, which reduces loads on and pollution by traditional fossil fuel driven power plants. Particular embodiments of the generator are adaptable for multiple motive means. Thus, a windmill system may power the generator and provide the energy needed by a home, farm, or business, contributing to more efficient utilization and conservation of energy resources. Because wind power does not release pollutants into the air, particular embodiments of the generator of the present invention are therefore also expected to materially enhance the quality of the environment by contributing to the restoration or maintenance of the air.

7. The increased efficiency of preferred embodiments of the generator and its adaptability to a variety of motive means, i.e. combustion engine, power take off direct or hydraulic, propane or natural gas, nuclear, steam, wind, water, or other source, also means that preferred embodiments of the generator are expected to materially contribute to the reduction of energy consumption in combustion systems, industrial equipment, household appliances, and other energy consumers.

8. All statements made on the basis of personal knowledge are true, and all statements made on the basis of information and belief are believed to be true. Further, these

Attorney Docket No.: 3271.01US02

statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 01/05, 2004
Eric J. Erfourth
Applicant